

P.K.R ARTS COLLEGE FOR WOMEN (Re-Accredited with 'A' Grade by NAAC) Autonomous Institution-Affiliated To Bharathiar University Gobichettipalayam-638476

Invitation







P.K.R. ARTS COLLEGE FOR WOMEN

(Re-Accredited with 'A' Grade by NAAC) Autonomous Institution - Affiliated to Bharathiar University Gobichettipalayam

DEPARTMENT OF PHYSICS

organises

Workshop on Satellite Payload Development: From Design to Deployment

FACILITATORS

Bharathkumar Velusamy,

Chief Technology Officer, CSTERC, Co-Founder, Open Space Foundation





Balaji Prasath, Scientific Assistant in R&D at CSTERC/Open Space Foundation, Coimbatore

Venue: MBA Seminar Hall & PG Physics Lab

Date: .8.10.2024 Time: 10.00 a.m.

Organising Secretary: Dr.C.ARULJOTHI



Photos









Attendance

P.K.R. ARTS COLLEGE FOR WOMEN

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An Autonomous Institution (Allifacet to Illustratiber University)

Department of Phasics

Workshop on Satellite Daving the Autonoment: From Deplayment

Attendance

e: 08/10	2024	Fime: 10.00 AM	Day: Tuesday
S.No.	Name of the Faculty/Student	Department/ Class	Signature
1.	T. Vasuki	Ti-M.sc.Phyrius	FILE
2.	D. Dinyabbarathi	1 -M-sc physics	0000
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5.	A.Farhana hegum	IT-M. Sc Physics	1. Fachare
6-	S. Gomathi	II-MSC Phoping	3 Godhi
7.	F. Crayathri	8 .M. cr. Physics	8-Gayath1
8.	V. Crokilevani	Ti-Msr Physica	V. Cooks
9.	V. Deepavil	II-Msc Physics	V. Onli
10	M. Hanini	II-Msc Physics	M. Ray
11-	M. Proathimanju	II - M.Sc Physics	MR
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13.	A. Mahuwaki	II. Msc. Physics	A les
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89	R. Praganya	Til C9 - 'B'	P.Pa
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di	M. Janoni	10 cs - 'B'	Jonas III
92	R. Subhashini	ill cs- B'	R. Sutt
93	M. Deepika	TIL CS - 'B'	M. Deniba
94	K.Co. M. Shai necuet Ra	IV CS -181	APa-1
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96	M. Swetha	ψi - 05 'B'	Mobel.
97	P. kinuthika	iii - (s 'B'	P.h.S.
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99	T.G. koupnika	Ū -(5 'B'	TG. HD.
100	G. Nathiya	Tu - cs'B'	Natur
101	M. Abi	TII-CS'B'	MAG.
102	T. Mugarjipayel	M-CS'R'	T. O. Parl
103	ob. Devika	Til-cs'B'	S.De des
104	M. Pithanga	"TII - CS 'B'	MA
105	V. Kavya	Ti-Cs'B'	1010
106	M. Mithurchana	. M-cs 18'	m.Mithu
107	v. Preetha	101-C4 1B"	V.P.
108	K. Swathi	111 - 65 1B1	Kulad
109	& Sowathi	Ti cile'	A.S.A.
110	Ø. Jayanthi	Tu - CS'B'	Topast.
111	P. Ohanarithika	m-cs'8'	P. Ohane
112	k. Dharani	III_CS'B'	K.B. J
113	L. Sapanna	T. Cs'B'	L. Sulare
114	a Alshioonya	TE U'B'	G ABhurk
112	B- Hamoline Athiwan	TP - CS 'B'	B. En. H. Asher.
116	M. Woullya	1 - cs'B'	M.Kan
117	M. Mahabharathi	WCS 'B'	FT . Mohaldandta:
118	M. Drossiers	W-03 'B'	M.Sh.il

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146	M. Panya	T BSC-CS-A	M.D.
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148	R. Sridherani	10 - BSC-15-1A	P. A.
149	S. Ruithra	1. BS - CS-14	Q. P-v

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DEPARTMENT OF PHYSICS

Name of the Programme : Workshop on Satellite Development From Design to

Deployment

Date

: 08.10.2024

: 10.00 AM

Venue

: MBA Seminar Hall & P.G Physics lab

Time

Objective of the program:

> Introduce Fundamentals of Satellite Payloads: Provide with a solid understanding of the basic principles, functions, and types of satellite payloads, and their role in various space missions.

Enhance Practical Skills Through Hands On Experience: Provide practical exercises and case studies to help participants apply the theoretical knowledge they gain and better understand the real-world challenges of payload development.

Workshop

The workshop focused on the educating participants through hands on experience on payload design, integration, testing and deployment. Participants experienced with practical exercises including install Arduino IDE 2.2.3, Connecting Arduino chip with Arduino IDE 2.2.3, Checking the working condition of Arduino by LED blinking test, Connecting the Arduino with MQ135 Gas Sensor, Checking the working condition of Gas Sensor by using Alcohol, Connecting the Arduino with DHT11 Sensor to measure humidity, Checking the working condition of DHT11 sensor to measure the humidity in the environment.

No. of Participants: 159 participants in MBA Seminar Hall & 38 participants in P.G Physics

Outcome of the Workshop: Participants would gain the comprehensive understanding of payload design including the basic knowledge of Arduino , Selection of sensors and learn about the manufacturing of satellite payloads and their testing procedures. The workshop may involves using software tools for stimulating the payload's performance in space environments. Participants would learn how payload communicates with other satellite systems. A workshop often encourages collaboration among participants in future opportunities for joint development

Organizing Secretary: Dr. C. ARULJOTHI

Signature of the HOD(i)